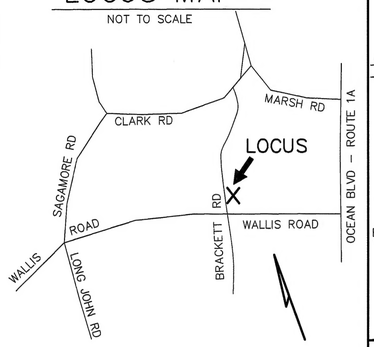
LOCUS MAP

NOT TO SCALE



SOIL CLASS: 140 CHATFIELD–HOLLIS–CANTON
(SOURCE: USDA–SCS SOIL SURVEY)

BENCH MARKS: DATUM = ASSUMED

#1	WATER SHUTOFF EL 50.28
#2	SET SPIKE @ COR WALL EL 50.08
#3	SET HUB EL 50.88
#4	BOTTOM TRIM @ COR HSE EL 52.81

DESIGN INTENT:

1. THE BOTTOM OF THE EFFLUENT DISPOSAL SYSTEM SHALL BE CONSTRUCTED AT ELEVATION 48.5 WHICH IS NO MORE THAN 2.3' BELOW EXISTING GROUND AT THE HIGH CONTOUR THE DESIGNED EDS. (ELEV 50.8)

SUITABLE REPLACEMENT AREA:
MUST BE DETERMINED BY RESUBMITTAL PER ENV–WQ 1003.10

LEGEND:

50 / (50)	EXISTING CONTOUR
	PROPOSED CONTOUR
50.0	EXISTING SPOT ELEVATION
(50.0)	PROPOSED SPOT ELEVATION

NOTES:

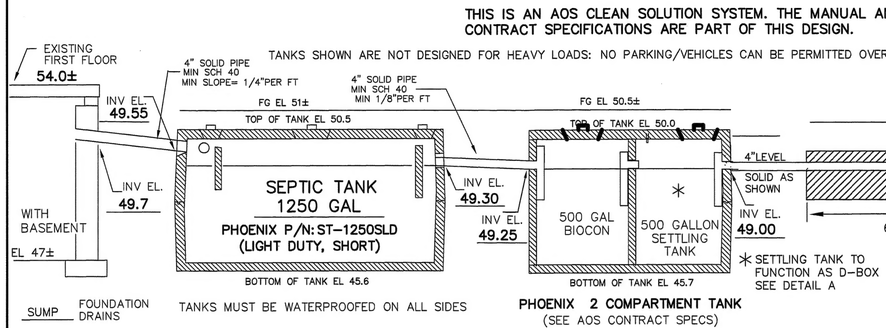
1. PROPERTY LINES SHOWN ARE BASED ON BOUNDARY SURVEY BY STOCKTON SERVICES. REFERENCE PREVIOUS SURVEY: "PLAN OF LAND OF HERVEY & EDITH PRINCE, RYE, NH, SCALE: 1"=20', DATE UNKNOWN, BY CHARLES W. PARSONS, CIVIL ENGINEER" BUILDING OFFSETS SHOWN ARE FROM CORNER OF SIDING (DRIP EDGE NOT SHOWN).
2. NHDES–WS&PCD SUBDIVISION APPROVAL NUMBER: N/A PRE 1967
   REFERENCE RCRD 1290–308 (1953)
3. THIS SYSTEM IS NOT DESIGNED TO HANDLE GARBAGE DISPOSAL, JACUZZI BATH, OR SEWAGE EJECTOR PUMP WASTE. BACKWASH FROM WATER SOFTENER SYSTEMS SHOULD BE DISCHARGED TO A SEPARATE DRYWELL.
4. a) NO SURFACE WATER WITHIN 75' OF PROPOSED SYSTEM
   b) NO WELLS WITHIN 75'
   c) NO HYDRIC B SOILS WITHIN 75'
   d) NO HYDRIC A SOILS WITHIN 75'
5. DESIGNER MUST BE CONSULTED FOR ANY PROPOSED CHANGES OR ERRORS/DISCREPANCIES FOUND DURING SYSTEM INSTALLATION. (603 929–7404) INSTALLER IS RESPONSIBLE FOR ANY TOWN PERMITS OR INSPECTIONS REQUIRED FOR THIS INSTALLATION.
6. PROPOSED ISDS IS DESIGNED TO SERVICE 1 STRUCTURE WITH DISHWASHER, WASHING MACHINE, TOILETS, AND TUB/SHOWERS. THERE IS NO KNOWN BURIAL SITE OR CEMETERY ON THE LOT OR THE ABUTTING LOT WITHIN 100' OF ANY COMPONENT OF THE ISDS OR WELL
7. ALL UTILITIES MUST BE FIELD VERIFIED AND RELOCATED AS NEEDED PRIOR TO INSTALLATION.

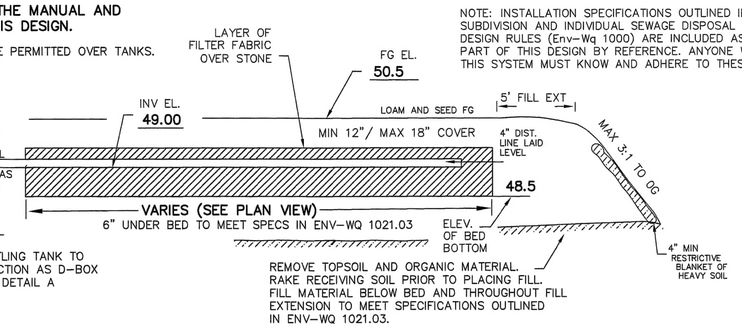
PLOT PLAN

NO SCALE

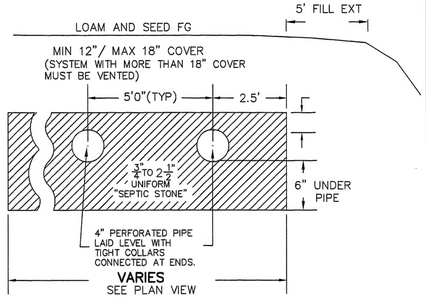
THIS IS AN AOS CLEAN SOLUTION SYSTEM. THE MANUAL AND CONTRACT SPECIFICATIONS ARE PART OF THIS DESIGN.

TANKS SHOWN ARE NOT DESIGNED FOR HEAVY LOADS: NO PARKING/VEHICLES CAN BE PERMITTED OVER TANKS.





NOTE: INSTALLATION SPECIFICATIONS OUTLINED IN SUBDIVISION AND INDIVIDUAL SEWAGE DISPOSAL SYSTEM DESIGN RULES (Env–Wq 1000) ARE INCLUDED AS PART OF THIS DESIGN BY REFERENCE. ANYONE WHO INSTALLS THIS SYSTEM MUST KNOW AND ADHERE TO THESE RULES.



STONE TO MEET SPECIFICATIONS OUTLINED IN ENV WQ 1016.04

NOTE A REVISED 02–18–15

THIS IS A "SHELF" PLAN PREPARED FOR THE BENEFIT OF PROSPECTIVE BUYERS OF THIS PROPERTY.
THE STRUCTURE IS CURRENTLY UNOCCUPIED
THE DWELLING IHAS BEEN RENOVATED AND SEPTIC LOADING HAS BEEN REDUCED BY 375 GALLONS PER DAY WITH ELIMINATION OF EXISTING APARTMENT AND 1 BEDROOM.

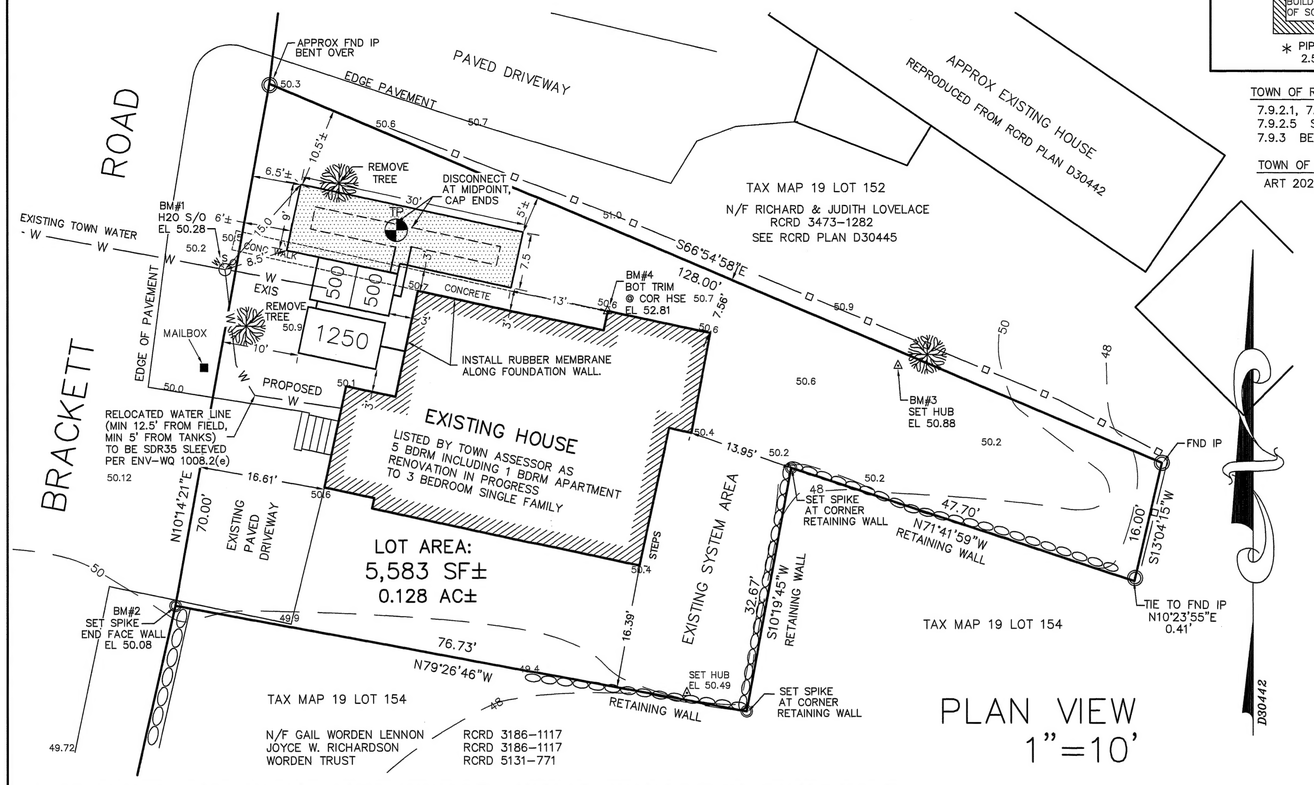
THIS DESIGN ADDRESSES REPLACEMENT OF A FAILED SYSTEM.
DESIGNER HAS NO DIRECT KNOWLEDGE REGARDING EXISTING SYSTEM.
DES APPROVAL PRESUMES EXISTING SYSTEM FAILURE
AND WILL BE VALID FOR 90 DAYS FROM DATE OF APPROVAL.
(MAX 180 DAYS WITH EXTENSION GRANTED FOR CAUSE)

PLAN VIEW: 1"–10'

DES WAIVER REQUESTS INCLUDED WITH APPLICATION

ENV–WQ 1008.04 MINIMUM DISTANCE FROM PROPERTY LINE, PRESSURE WATER LINE, AND FOUNDATION
* ENV–WQ 1014.04 BED BOTTOM DISTANCE ABOVE IMPERVIOUS (NOT REQUIRED IF SYSTEM FAILS)
* ENV–WQ 1014.05 BED BOTTOM DISTANCE ABOVE ESHWT (NOT REQUIRED IF SYSTEM FAILS)
ENV–WQ 1015.01 OMISSION OF STANDARD DISTRIBUTION BOX

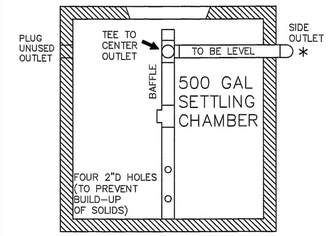
* REVISED 02–18–15, WAIVERS NOT REQUIRED DUE TO DES APPROVAL AS FAILED SYSTEM ONLY.



PLAN VIEW 1"=10'

DETAIL A: DISTRIBUTION LINES

NOT TO SCALE



* PIPE TO BE SOLID UNTIL 2.5' INTO STONE BED

TOWN OF RYE BUILDING CODE

7.9.2.1, 7.9.2.1.2 LEDGE LOT REQUIREMENTS
7.9.2.5 SIDE AND FRONT LOT LINE SETBACK
7.9.3 BED BOTTOM ABOVE BEDROCK, SHWT

TOWN OF RYE ZONING ORDINANCE

ART 202.5 20' SEPTIC SYSTEM SETBACK FROM SIDE AND REAR LOT LINES.

TP TEST PIT DATA

DATE: OCT 17, 2014
TOWN INSPECTOR: DENNIS PLANTE

TEST PIT #1 ELEV 50.8

0 –8" TOPSOIL AND ROOT MAT
8–52" 10YR4/6–5/6 GRAVELLY FINE SANDY LOAM MASSIVE FRIABLE W/ STONES TO 10"

REFUSAL – LEDGE AT 52"
NO EVIDENCE OF SHWT
NO OBSERVED WATER
ROOTS TO 3'+

PT PERC TEST DATA

PERC RATE: N/A WITH CLEAN SOLUTION SYSTEM
DESIGN LOADING: 3 BEDROOMS (EXISTING ADDITIONAL APARTMENT AND 1 BEDROOM TO BE ELIMINATED)
AREA REQUIRED: 100 SF REQUIRED
AREA PROPOSED: 246 SF PROVIDED (SEE PLAN VIEW)
(225 SF EFFECTIVE AREA PER DES RULES)

SEPTIC SYSTEM PLAN

REPLACEMENT SYSTEM INTENDED TO REPLACE AN EXISTING FAILED SYSTEM (SEE NOTE A)

LOCUS: 456 BRACKETT ROAD
TAX MAP 19 LOT 153
RYE, NH

OWNER: HIGH HOUSE MANAGEMENT, LLC
PO BOX 1321
NORTH HAMPTON, NH 03862–1321

NEW HAMPSHIRE Designer of Subsurface Disposal Systems Anne W. Blakebrook No. 348

APPLICANT:
STOCKTON SERVICES
PO BOX 1306
HAMPTON, NH 03843–1306
603 929–7404

DATE: NOVEMBER 16, 2014
REVISED TO FEB 18, 2015

APPROVAL: CA20151213S9
3/2/15 (90 day)

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SYSTEM OWNER IS RESPONSIBLE FOR THE FOLLOWING OPERATING REQUIREMENTS IN ADDITION TO THOSE LISTED IN THE CLEAN SOLUTION DOCUMENTS.

ENV–WS 1023.01 (a) SEPTIC TANKS SHALL BE INSPECTED FOR ACCUMULATION OF SLUDGE AND SURFACE SCUM AT LEAST ONCE EVERY YEAR. (b) WHEN THE COMBINED THICKNESS OF SLUDGE AND SURFACE SCUM EQUAL 1/3 OR MORE OF THE TANK DEPTH, THE TANK SHALL BE PUMPED BY A LICENSED SEPTIC TANK PUMPER.
ENV–WS 1023.02 TO PREVENT OBSTRUCTION OF THE DISTRIBUTION LINES AND LEACH FIELD, GREASE AND BULKY WASTE SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.03 TOXIC AND HAZARDOUS MATERIALS SHALL NOT BE FLUSHED OR OTHERWISE INTRODUCED INTO THE SEPTIC SYSTEM.
ENV–WS 1023.04 TO PREVENT DAMAGE TO THE DISTRIBUTION LINES AND LEACH FIELD, VEHICLES, LIVESTOCK, AND OTHER HEAVY OBJECTS SHALL NOT BE ALLOWED ON THE LEACH FIELD.
ENV–WS 1023.05 IF WET AREAS APPEAR ON THE GROUND SURFACE ABOVE THE DISTRIBUTION LINES OR LEACH FIELD OR IF DISAGREEABLE ODORS OCCUR, THE SYSTEM SHALL BE INSPECTED FOR THE SOURCE OF THESE PROBLEMS, AND CORRECTIVE ACTION SHALL BE TAKEN.